

**'It's Important  
to Know  
In Time'**

# Air Conditioning & REFRIGERATION



# NEWS

**BULLETIN  
EDITION  
June 1, 1942**

Member Associated Business Papers,  
Inc.; Audit Bureau of Circulations.

The Newspaper of the Industry  
Issued Every Monday at Detroit, Mich.

Vol. 36, No. 5, Serial No. 689  
Established 1926.

## Government Sets Up 'Permanent Distribution Plan' For Frozen Stocks of All Household Refrigerators

### Industry Leaders To Tackle Problems At Skytop Forum

SKYTOP, Pa.—A "Refrigeration Wartime Conference," bringing together nationally known industrial executives and refrigeration leaders and WPB officials, will highlight the 29th Spring meeting of the American Society of Refrigerating Engineers June 7-8-9 at Skytop club here. This Conference will be held Sunday night, June 7.

With Louis A. Ruthenburg, president of Servel, Inc., serving as chairman of this forum, and George Taubeneck, editor of AIR CONDITIONING & REFRIGERATION NEWS, acting as moderator, the industrial heads invited to participate will consider the many problems of business readjustment arising from the war. The conversion of plant facilities and capacity to war products and the eventual return to normal products; availability of materials; problems in adjusting personnel both for the war and the post-war period; effects on the distribution system now and later—these and other similar problems.

(Concluded on Page 3, Column 1)

### Charles E. Wilson Is ACRMA President

NEW YORK CITY—Charles E. Wilson, vice president of Worthington Pump & Machinery Corp., was elected president of the Air Conditioning & Refrigerating Machinery Association, Inc., at its annual meeting held here May 8.

Other officers are J. P. Rainbault of General Electric Co., first vice president; W. H. Aubrey of Frick Co., Inc., second vice president; and P. A. McKittrick of Parks-Cramer Co., treasurer.

S. E. Lauer, president of York Ice Machinery Corp., was elected chairman of the ACRMA board of directors.

William B. Henderson continues as executive vice president of the association.

### BULLETIN

WASHINGTON, D. C.—A serious shortage of 10 lb. and 20 lb. refrigerant cylinders has developed. All holders of these cylinders should RUSH their return, advises Sterling Smith of the Commercial Refrigeration and Air Conditioning Branch, War Production Board.

Other sizes of refrigerant cylinders should, of course, be returned on schedule.

### Plumbing Order L-79 Relaxed To Permit Civilian Goods Sale

WASHINGTON, D. C.—The WPB on May 23 moved to relax the restrictions which were imposed upon the sale of plumbing and heating equipment in Limitation Order L-79 by removing the ban on equipment necessary for civilian needs.

The amendment apparently removes the restriction against the use of the necessary items of plumbing equipment in water-cooled commercial refrigeration installations. Another important effect of the order as amended is to release the sale to householders of cooking and heating stoves and water heaters where no other equipment for these purposes is available.

At the same time, the amended order facilitates the conversion of oil and gas burning equipment to the use of coal by permitting the sale and delivery of any equipment—as for instance, grates—needed to convert such burners to the use of coal. It is expected that this provision will aid the conservation of the already limited supply of fuel oils in various parts of the country.

The original regulations forbade all sales of plumbing and heating equipment amounting to more than \$5 per item on unrated orders, so as to give the Plumbing and Heating Branch an opportunity to study the needs for war production and essential civilian

(Concluded on Page 3, Column 3)

### Dealers To Sell 'Some'; New Forms Required

WASHINGTON, D. C.—An allocation system, the first of its kind under the war program, has been set up to control the distribution of the 600,000 domestic mechanical refrigerators which form the national stockpile for the duration.

The requirements of Government agencies for the next two years are estimated by officials of the Consumers Durable Goods Branch to be 495,000 refrigerators. The remaining 105,000 units will be held back in reserve to meet emergencies that may arise.

For the present, the refrigerators in the stockpile will be released slowly. They may be relinquished faster at a later date when the WPB has had an opportunity to study the rate of distribution.

The order was drafted with the aim of interfering as little as possible with the normal chain of distribution, points out L. M. Morrison, chief of the Domestic Refrigerator Section of the Consumers Durable Goods Branch.

It is recognized that the dealer's regular market has disappeared, but it will be the policy of the Branch, states Mr. Morrison, to allow the dealer to serve as many purchasers as possible under L-5-d. There are many opportunities for the dealer under the program.

Some of these were enumerated by Mr. Morrison and by William F. Hammersly, deputy chief of the Consumers Durable Branch, and F. M. Mitchell, assistant chief of the Domestic Refrigerator Section at a press conference, which was called by the War Production Board in connection with the announcement of L-5-d.

Sales to hospitals, druggists, and other individual users, and to war housing developments in small quantities are possible for the dealer under L-5-d, officials pointed out. There are many instances where the Army, Navy, and Maritime Commission will make individual purchases, and in most cases will make them through dealers.

It is estimated that there are several thousand electric refrigerators in the

(Concluded on Page 4, Column 2)

**This is the bulletin issue of the News. More details on the news stories plus special features in next week's full size issue.**





# RETURN CYLINDERS PROMPTLY TO SPEED YOUR DELIVERIES!

There is a serious cylinder shortage. We cannot obtain new cylinders. Prevent delays in your deliveries - by returning each of your empties quickly! Send them back the same day-it will be appreciated.


Cylinder deposits are repaid immediately upon return of your empties



## Artic

REG. U. S. PAT. OFF.

### METHYL CHLORIDE



## Artic

REG. U. S. PAT. OFF.

For information about nearest source of supply, write to  
ELECTROCHEMICALS DEPARTMENT  
E. I. DU PONT DE NEMOURS & Co. (INC.)  
Wilmington, Delaware  
or National Ammonia Division  
Frankford P. O. Philadelphia, Pa.

### Rose Named Marsh's Asst. General Manager

CHICAGO—A. D. Rose, former sales manager, has been named to fill the newly created position of assistant general manager of the James P. Marsh Corp. here.

The new post was established to take care of enlarged activities. James Emmett, Jr., former assistant sales manager, is now sales manager.

### Copper Use Okayed in Truck Cooling Units

WASHINGTON, D. C. — Copper may still be used in the manufacture of refrigerating units for trucks and truck trailers, according to the copper Limitation Order L-106.

This order sliced to a minimum the list of automotive parts in which copper products or copper base alloy products may still be used.

Thermostats, radiator sealing cap (pressure type only) and bellows, valve and valve seats are also exempt from the no-copper ruling.

## EASY TO SELL!



More than 20 years of high reputation...in every kind of refrigeration service...has established the name "Lipman" as a BUY word that breaks down sales resistance. Make this reputation your sales asset...for greater profit and better customer satisfaction.

**Lipman**  
GENERAL REFRIGERATION DIVISION  
Yates-American Machine Co.  
Dept. AC-1 Beloit, Wisconsin

For 1942 - most complete range of styles and sizes - 12 to 71.5 cu. ft. - in the industry. New modern styling - priced for real value.



## Reach-in CABINETS

**Midwest**  
Mfg. Company  
GALESBURG, ILLINOIS



★ Refrigerants are vitally needed to protect the nation's food supply; ★  
★ conserve them by careful, efficient use. ★

## "VIRGINIA" REFRIGERANTS

AGENTS FOR KINETIC'S "FREON-12"

# VIRGINIA SMELTING CO.

WEST NORFOLK, VIRGINIA



## DRY STORAGE BOTTLED BEVERAGE COOLERS



8'-\$90. net. 8'6"-\$120. net. 10'-\$155. net.  
Prices F.O.B. Factory-Sight Draft-add 10% Tax. 30" wide-40" high, Durable black exterior. Rust-proof metal interior-4" insulation. Adjustable dividers. Coil and circulating fan. Can be installed only on priority for beverage storage. Can be used for food or milk storage and ratings are available for this purpose.

**DON'T MISS THIS OPPORTUNITY . . . WRITE TODAY!**

**GENERAL REFRIGERATOR COMPANY**  
5th and BAINBRIDGE STS., PHILA., PA.

### Coding Chart for Air Conditioning and Refrigeration Applications

Ultimate Buyer or User of Facility or End Product	Manufacturing Industry or Business Classification	Application or functional use of Refrigerating and/or Air Conditioning Equipment
<div><b>1.</b> Army Air Corps</div> <div><b>2.</b> Army Engineers</div> <div><b>3.</b> Army Ordnance</div> <div><b>4.</b> Army—Other Departments</div> <div><b>5.</b> Navy—Bureau of ships</div> <div><b>6.</b> Navy—Bureau of Yards and Docks</div> <div><b>7.</b> Navy—Bureau of Ordnance</div> <div><b>8.</b> Navy—Other Bureaus</div> <div><b>9.</b> Maritime Commission</div> <div><b>10.</b> Other U. S. Government Agencies</div> <div><b>11.</b> Lend-Lease</div> <div><b>12.</b> Export</div> <div><b>13.</b> State and Municipal</div> <div><b>14.</b> Other Orders Rated AA to A-1-L</div> <div><b>*15.</b> Dairy Products—storage and Transportation</div> <div><b>*16.</b> Food—Storage and Transportation</div> <div><b>*17.</b> Food and Dairy Product-Processing</div> <div><b>*18.</b> Ice Manufacture and Storage</div> <div><b>*19.</b> Retail Food and Dairy Product Establishments</div> <div><b>*20.</b> Industrial Processing—Refrigerating Equipment</div> <div><b>*21.</b> Industrial Processing—Atmospheric Control</div> <div><b>*22.</b> Industrial Liquid Cooling, Including Drinking Water</div> <div><b>23.</b> Repair and Maintenance Orders</div> <div><b>24.</b> All Others</div> <div><b>*Orders Rated A-2 through A-9</b></div>	<div><b>Manufacturing Industries</b></div> <div><b>1.</b> Aircraft including engines</div> <div><b>2.</b> Automobiles, trucks, and tanks</div> <div><b>3.</b> Chemicals and explosives</div> <div><b>4.</b> Communication equipment</div> <div><b>5.</b> Drugs and pharmaceuticals</div> <div><b>6.</b> Food—bakery products</div> <div><b>7.</b> Food—beverages</div> <div><b>8.</b> Food—dairy products</div> <div><b>9.</b> Food—eggs and poultry</div> <div><b>10.</b> Food—fish</div> <div><b>11.</b> Food—fruit and vegetables</div> <div><b>12.</b> Food—meat packing</div> <div><b>13.</b> Food—quick freezing</div> <div><b>14.</b> Food—other foods</div> <div><b>15.</b> Ice manufacture and storage</div> <div><b>16.</b> Iron and steel production</div> <div><b>17.</b> Machinery and metal working</div> <div><b>18.</b> Non-ferrous metal production</div> <div><b>19.</b> Paper, paper products, printing and lithographing</div> <div><b>20.</b> Petroleum and coal products</div> <div><b>21.</b> Precision instruments</div> <div><b>22.</b> Rubber and rubber products</div> <div><b>23.</b> Textiles</div> <div><b>24.</b> All other manufacturers</div> <div><b>Businesses</b></div> <div><b>25.</b> Cold storage warehousing</div> <div><b>26.</b> Hospitals and institutions</div> <div><b>27.</b> Housing—auditoriums and theaters</div> <div><b>28.</b> Housing—banks and offices</div> <div><b>29.</b> Housing—hotels and apartments</div> <div><b>30.</b> Housing residences and air-raid shelters</div> <div><b>31.</b> Laboratories</div> <div><b>32.</b> Restaurants</div> <div><b>33.</b> Stores—food—retail</div> <div><b>34.</b> Stores—others—retail</div> <div><b>35.</b> Transportation—marine</div> <div><b>36.</b> Transportation—railroad</div> <div><b>37.</b> Transportation—truck</div> <div><b>38.</b> All others</div>	<div><b>1.</b> Preserving foodstuffs in storage</div> <div><b>2.</b> Preserving foodstuffs in transit</div> <div><b>3.</b> Cooling or freezing foodstuffs during processing</div> <div><b>4.</b> Preservation or conditioning materials or products other than foodstuffs in storage or transit</div> <div><b>5.</b> Cooling, freezing, or conditioning materials during process of manufacture, including ice manufacturing</div> <div><b>6.</b> Conditioning spaces in which manufacturing processes are being carried out and/or industrial products inspected or tested</div> <div><b>7.</b> Conditioning spaces other than manufacturing spaces, for health, efficiency, or comfort of occupants</div> <div><b>8.</b> Cooling drinking water</div> <div><b>9.</b> Conditioning spaces in which fine instruments, gauges, and other sensitive apparatus are stored or used</div> <div><b>10.</b> Cooling or freezing materials or conditioning spaces, simulating unusual conditions in research laboratories</div> <div><b>11.</b> Cooling water and liquids where controlled temperature is necessary to the production of the product (s)</div> <div><b>12.</b> Repairs, replacements, maintenance, and supplies</div> <div><b>13.</b> Other applications (explain in detail)</div>

(This chart may be duplicated but should be sent to WPB only on an 8½ x 11 sheet.)

### Coding Chart Developed For Use With PD-1A Applications For Refrigeration Jobs

WASHINGTON, D. C.—A coding chart for use with PD-1A forms asking for priorities to permit the purchase of air conditioning and commercial refrigeration equipment has been prepared by the Air Conditioning & Refrigerating Machinery Association with the informal collaboration of officials of the Air Conditioning and Commercial Refrigeration Branch of the WPB.

Officials of the Branch have expressed the hope that members of the industry will make general use of the coding chart, states William B. Henderson, executive vice president of ACRMA, who helped to prepare

the coding chart.

To illustrate how the chart should be used:

A copy should be attached to each PD-1A form going to the Air Conditioning and Commercial Refrigeration Branch of the WPB. If the PD-1A form covers, for example, the purchase of air conditioning equipment for the gauge room of a company making machine tools, the coding chart may be marked by checking:

No. 21 in the column entitled "Ultimate Buyer or User of Facility or End Product"

No. 17 in the column entitled "Manufacturing Industry or Business Classification"

No. 9 in the column entitled "Application or Functional Use of Refrigeration and/or Air Conditioning Equipment."

By referring to the coding chart, properly marked, the Branch staff can easily allot the proper rating to the application. In this way, PD-1A forms may be cleared by the Branch much more quickly.

The form of the coding chart may be duplicated, declared Mr. Henderson, but the chart should be sent to WPB only on a size 8½ by 11 inch sheet.

### Weatherhead Issues New Parts Catalog

CLEVELAND — The Weatherhead Co. has announced a new issue of the company's catalog of refrigeration parts. Copies are available on request.

This new catalog is compiled in accordance with the specifications adopted by the National Refrigeration Jobber Association and the Refrigeration Equipment Manufacturers Association. An additional feature is the listing of fittings and small parts under standard package items.

### Substitutes Needed For Steel Drums

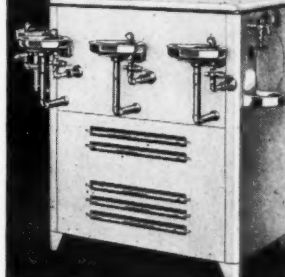
WASHINGTON, D. C.—Users of metal containers were warned today by the WPB Containers Branch that an urgently critical situation exists in steel, and that immediate and extensive use of substitutes for steel containers, particularly drums, must be undertaken.

Even though substitute materials may be more expensive and less satisfactory, their use may be the means of keeping such companies in business. Substitution of materials not needed in war production should be used wherever possible, but even critical materials which are less critical than steel can be used.

The Containers Branch pointed out that it is quite possible that steel container users may soon be forced to suspend operations until they are able to develop containers which do not use steel.

### Yes! "DAY & NIGHT" WATER COOLERS MEET ARMY & NAVY SPECIFICATIONS

WRITE FOR YOUR COPY OF BULLETIN NO. 46



Navy Type Cabinet Cooler. Other Models for service everywhere, ashore and ashore.



## COOLER DIVISION

### DAY & NIGHT MFG. CO.

2320 EAST EIGHTH STREET - LOS ANGELES, CALIFORNIA  
FACTORY REPRESENTATIVES  
NEW YORK CHICAGO  
A. C. Homeyer, 682 Broadway - Marc Shantz, 565 Washington Blvd.  
DALLAS DECATUR, GA.  
Leo J. Freitas, 4408 Stanhope St. - J. E. Parker, 228 Second St.  
Warehouse Stocks at Convenient Shipping Points

★★★★★★★★★★★★



## MILLS MIGHTY REFRIGERATION

Mills Condensing Units  
By Mills Novelty Company  
4100 Fullerton Ave., Chicago, Ill.

★★★★★★★★★★★★



## Penn Says:

Servicing commercial refrigeration equipment is vitally important NOW. You can depend on Penn Controls.

PENN ELECTRIC SWITCH CO.  
GOSHEN, IND.

# METHYL CHLORIDE

by **Ansul**

## HIGHEST QUALITY FAST, FRIENDLY SERVICE

**ANSUL CHEMICAL COMPANY**  
MARINETTE, WISCONSIN

LET US ACQUAINT YOU WITH THE ANSUL JOBBER NEAR YOU

PUT THE EMPTIES TO WORK NOW!

Don't keep empty cylinders idle and out of service. Ship them back now!

AC-24



## Refrigeration's Part in War Program To Feature ASRE Discussions

(Concluded from Page 1, Column 1)

Items will be discussed in detail. A preliminary conference of the industrial leaders who will participate in the conference will take place at a luncheon Sunday, June 7. A reception will be held at 4:30 p.m. on Sunday, at which the A.S.R.E. members will meet the industrial leaders, and then the conference will follow Sunday night.

The regular technical sessions, which open Monday, June 8, place heavy emphasis upon refrigeration's part in the War program, with two of the featured speakers to be J. M. Fernald, Chief of the Air Conditioning and Commercial Refrigeration Branch, WPB, and Dr. Max M. Strumia, famed for his work in blood plasma research.

The annual A.S.R.E. golf tournament will be played on the Skytop course the afternoons of June 8 and 9, and a dinner-dance will be given at Skytop Club Monday night, June 8. All entertainment features at the Skytop resort will be arranged by a committee of hosts composed of Philadelphia Section members, chairmanned by T. S. Noble.

Skytop is near Cresco, Pa., which is on the main line of the Lackawanna railroad. Those coming from the west make connections through Buffalo (picking up the main line of the Lackawanna there) and those from the east and south make connections through New York City.

Technical program for the meeting is as follows:

**MONDAY, June 8**  
9:30 a.m. FIRST SESSION. Dr. Wm. R. Hainsworth, president of the

A.S.R.E., presiding.  
"Refrigeration Requirements of the Medical Department, U. S. Army," Major B. B. Smythe, Sanitary Corps, U. S. Army, Office of the Surgeon General, Washington.

"The Role of Low Temperature in the Preservation of Plasma," Dr. Max M. Strumia, Clinical Laboratory, Bryn Mawr, Pa., Hospital.

11:10 a.m. SECOND SESSION. C. R. Logan, vice president of the A.S.R.E., presiding.

"Dry Blast Conditioning," R. V.D. Dunne, Carrier Corp., Syracuse.

"Blast Furnace Conditions Due to Blackouts," C. B. Morrison, managing director, York Shipley, Ltd., London, England.

"Relations of the Refrigeration Industry with the War Production Board," J. M. Fernald, chief of the air conditioning and commercial refrigeration branch, War Production Board, Washington.

2:30 p.m. A.S.R.E. Golf Tournament.

7:30 p.m. Dinner-Dance (Informal).

**TUESDAY, June 9**

9:30 a.m. THIRD SESSION. John F. Stone, treasurer, presiding.

"The Effect of the Rate of Freezing and Temperature of Storage on the Quality of Frozen Poultry," C. W. du Bois, D. K. Tressler, and Faith Fenton. To be presented by Prof. Donald K. Tressler, N. Y. State Agricultural Experiment Station, Geneva, N. Y.

"The Place of Locker Plants in the War Picture," Wayne Carver, Locker Publications Co., Des Moines, Iowa.

11:10 a.m. FOURTH SESSION. A. B. Stickney, vice president of the A.S.R.E., presiding.

"Refrigeration Equipment for Merchant Ships," official of the U. S. Maritime Commission (name to be announced later).

"A Statistical Analysis of the Refrigeration Industry," Captain David L. Fiske, executive secretary of the A.S.R.E., statistics branch of the Office of the Undersecretary of War.

## Civilian Goods Bans Relaxed by Change In Plumbing Order

(Concluded from Page 1, Column 2)

requirements. The revised order permits the shipment until June 30 of equipment for bona fide contractual orders which had been received no later than April 16, the date of issuance of the original L-79 regulations.

Another exemption from the previous provisions permits delivery of plumbing and heating equipment until July 31, 1942 for completion of projects started after July 31, 1941 and through April 9, 1942, if the purchaser certifies the necessity of such equipment. (April 9 was the date of issuance of L-41, the Construction Limitation Order.)

Hot water heaters, radiators, and other types of equipment which use electricity are excluded from the terms of the amended order. Thus, the ban contained in the original order on sale of many types of equipment connected to both water and electric systems is removed.

In addition to the above exemptions from the general prohibition on sale or delivery of any metal plumbing or heating equipment to an ultimate consumer, the following provisions are included in the amended order.

Sale or delivery of any item costing no more than \$5 is permitted, provided it is part of an order totaling no more than \$10.

Sale and delivery of any equipment on an A-10 or better preference rating is permitted.

Sale and delivery of any equipment specifically designed for hospitals, or for surgical, dental, veterinary, barber shop, or beauty shop use is permitted.

Sale and delivery of any cooking or heating stove or water heater is permitted if the purchaser certifies that such equipment is needed for use in his place of residence, and that there is not available to him any other equipment which could be used instead.

Any person may sell and deliver any equipment on the specific authorization of the Director of Industry Operations on form FD-423.

W. Walter Timmis, Chief of the Branch, said that "In the sale of items which are not now directly controlled by the order, the industry should see to it that they are used only in accordance with the spirit of the order. Such items include pipe fittings, valves, and innumerable small plumbing and heating articles, which are generally obtainable but are made of critical materials."

Mr. Timmis added that it would be the policy of the Branch to grant very few PD-1A Preference Rating applications for civilian plumbing and heating requirements which may not be covered by the amended L-79 order. Most PD-1A applications now in the hands of the Branch, if not automatically covered by the new order, will probably not be granted.

The restrictions of the amended order apply only to the following types of equipment:

Metal plumbing equipment—(any of the following items composed of at least 50% metal)—bath tubs; closet hoppers; closet tanks; great interceptors; laundry trays; lavatories; shower receptors; shower stalls; sinks; sink and laundry tray combinations; urinals; plumbing fixture fittings and trim; water heating equipment of these types: Direct-fired water heaters using coal, oil, or gas as a fuel, indirect-type water heaters, hot water storage tanks, and range boilers; and cooking and baking equipment of types used in or

connected to gas or steam systems.

Metal heating equipment—(any of the following items composed of at least 50% metal)—steam and hot water heating boilers using oil or coal as fuel; cast iron heating radiators other than electric steam radiators, including (but not limited to) cast iron tubular radiators and cast iron convectors; hot water circulator pumps, vacuum pumps and condensation pumps; warm air furnaces which use coal or oil as fuel; heating stoves and space heaters which use coal, oil, or gas as fuel, except gas-fired floor furnaces; oil burners; and metal fuel oil tanks.

### Used Refrigerator Label

MAKE

YEAR

MODEL NO.

CAPACITY

Cubic Feet

This Refrigerator Is Offered For Sale As Checked

☐ AS IS ☐ UNRECONDITIONED

In Accordance With Maximum Price Regulation No. 139

☐ RECONDITIONED BY

NAME

ADDRESS

CITY

STATE

DATE

In Accordance With The Specifications For Reconditioning Set Forth In Maximum Price Regulation No. 139

MAXIMUM

Resale Price

(Under MPR No. 139)

Exclusive of Federal, State and/or City Taxes Where Applicable

Lower Prices May Be Charged Without Violating Regulation Or Order Of The Office Of Price Administration

COPYRIGHT 1942

This is a sample of the label which is used on used refrigerators under OPA price regulation 139. Labels may be purchased at a nominal cost from Standard Refrigerator Trade-In Manual Co., 41 Union Sq., New York.

## Penn Switch Puts Victory Program In Sales Literature

GOSHEN, Ind. — Penn Electric Switch Co. is laying claim to being the first manufacturer to tie in the industry's "Program for Victory" conservation plan with a manufacturer's own advertising and promotion program.

When the preliminary announcements were made about the "Program for Victory" Penn's Advertising Manager J. R. Neteu, working in collaboration with Sales Manager R. H. Luscombe, prepared a layout of a promotion piece embodying the "I Will Conserve" pledge. Mr. Luscombe took this with him to the All-Industry meeting at Chicago where he got enthusiastic backing for the idea from Dr. Wm. R. Hainsworth, national president of the American Society of Refrigerating Engineers and author of the "Program for Victory" idea; and George Meek, of the Conservation Section of the Air Conditioning and Commercial Refrigeration Branch of WPB.

"Our country needs more help . . . it needs more steel and copper and other metals in quantities never dreamed of before. You can help . . . all of us in the refrigeration industry can help if we pull together to CONSERVE! says the introductory page of the Penn broadside supporting the "Program for Victory" plan. The 17-point program for conservation by service engineers is published below the introductory message.

Penn has mailed 7,000 of these pieces to refrigeration service engineers, and has mailed another 1,000 to its various manufacturing, distributor, and jobber customers, together with a form letter urging them to send the pieces to their service outlets.

### BUNDY TUBING

ENGINEERED TO YOUR EXPECTATIONS

BUNDY TUBING CO., DETROIT

**Bush** FINNED TUBE PRODUCTS  
Mfg. Co. HARTFORD, CONN.

Seamless **PENN** BRASS and COPPER TUBING  
PENN BRASS & COPPER CO. ERIE, PENNA.

**PAR** CHECK THE FEATURES AND YOU'LL AGREE  
★ PAR ★ IS TOPS IN REFRIGERATION EQUIPMENT!  
Catalog on request  
MODERN EQUIPMENT CORP., DEFIANCE, OHIO

3 CATALOGS IN 1  
HERMETIC UNITS - COMPRESSORS - PARTS  
FRIGIDAIRE - KELVINATOR - NORGE - G-E  
Complete Line Refrigeration Parts - Tools - Supplies  
WRITE FOR YOUR COPY ON YOUR LETTERHEAD  
**SERVICE PARTS CO.**  
MELROSE PARK, ILLINOIS

**MOTORS** for every AIR-CONDITIONING AND REFRIGERATION REQUIREMENT  
WRITE FOR FREE DESCRIPTIVE BULLETINS  
Wagner Electric Corporation  
6441 Plymouth Avenue, Saint Louis, Mo. U.S.A.

"MOISTURE'S MASTER"  
DAVISON'S **SILICA GEL**  
—USED IN ALL WELL-KNOWN DRYERS  
YOUR JOBBER CAN SUPPLY YOU

Use **CHICAGO SEALS** for seal replacements  
A complete line in all sizes  
**CHICAGO SEAL CO.**  
20 North Wacker Dr., Chicago

## THE BUYER'S GUIDE

A SINGLE CONTROL *Universal in Application*

THE NEW **POLARTRON** FOR PRESSURE CONTROL UP TO 1 H.P.A.C.

Separate "On and Off" Knobs • Universal Range • Capillary Pressure Connections • Power Motors to Start • Minimum Free Service • "Cooling Control" on Cut Out or Cut In • No Start Cycling • Polartron Equipped Compressors can be Converted to Produce Free-Flow Control Cycle

Note these Advantages

**MINNEAPOLIS-HONEYWELL** REFRIGERATION CONTROL

MINNEAPOLIS-HONEYWELL REGULATOR COMPANY  
1401 FOURTH AVENUE SOUTH, MINNEAPOLIS, MINN. 55404  
(COUNCIL BLUFFS, IOWA; CHICAGO, ILL.; DETROIT, MICH.; KANSAS CITY, MO.; ST. LOUIS, MO.)

**ESSENTIAL TO PROTECT**

Refrigeration is more necessary now than ever. Foods are precious, must not be wasted. . . Koch is still making refrigerators for groceries, restaurants, and institutions. Koch refrigerators are ESSENTIAL for food preservation and business preservation.

**KOCH REFRIGERATORS**  
NORTH KANSAS CITY, MO.

KOCH HAS BEEN MANUFACTURING AMERICA'S FINEST REFRIGERATORS SINCE 1883

**STRAINER** with Felt Sack

**Henry**

An inexpensive strainer with relatively large screen and sack area. Felt sack is supported inside screen for fine degree of filtering. Gasketed joint at inlet end permits easy removal of screen and sack for cleaning or replacement.

**TYPE 882**

ASK YOUR JOBBER FOR IT

**Henry Valve Company**  
1001-19 N. SPAULDING AVE., CHICAGO

**TOSS OUT THE OLD! — SLIP IN THE NEW!**

**Ranco** HOUSEHOLD REFRIGERATOR CONTROLS . . .

SAVE TIME and make more money —by replacing worn-out refrigerator controls with perfect-fitting Ranco Exact Replacements. Ask your Ranco jobber.

**Ranco Inc., Columbus, Ohio, U.S.A.**

## Parker Succeeds Tolles As Wholesaler's Director

NEW YORK CITY—W. J. Parker has been named acting managing director of the National Electrical Wholesalers Association, succeeding E. Donald Tolles, who retired from that position but who continues to serve the association as treasurer.

Mr. Parker for the past 25 years has been engaged in organizing and directing the activities of national trade association. He is a former president of the New York Trade Association Executives, having been an official in that organization for many years, as well as being a member of the American Trade Association Executives. Mr. Parker is a former vice president of the National Republican Club.



## 11 Types of Articles Exempt From L-63

WASHINGTON, D. C.—Eleven categories of merchandise have been specifically exempted from the restrictions imposed by Suppliers' Inventory Limitation Order L-63.

Interpretation No. 1 of this order, issued today, lists seeds, plants, livestock, fertilizer, clocks, watches, sporting goods, furniture, pottery, china, and glassware as items which need not be included in calculation of the dollar volume of inventories permitted by L-63. Inventories of these items remain subject to the terms of Priorities Regulation No. 1, which provides that all inventories must be kept to a practicable working minimum.

For: TRUCKS, LOCKERS, COOLERS, COUNTERS AND CABINET CONVERSIONS, USE:

# KOLD-HOLD PLATES

KOLD-HOLD MFG. CO.  
LANSING, MICH., U.S.A.

**KEROTEST**  
AIR CONDITIONING VALVES AND FITTINGS

Help the Desk-man

KEROTEST MANUFACTURING CO. PITTSBURGH, PA.

**We Manufacture Only Food Storage Lockers**

Our entire time is devoted to the manufacture, research and development of lockers. Write for particulars.

Master Refrigerated Locker Systems, Inc.  
121 Main St. Sioux City, Iowa

275,000 Masterbuilt Lockers In Use

**ALCO Specify ALCO Engineered Refrigerant Controls for Maximum Performance**

ALCO VALVE CO. ST. LOUIS, MO.

Established **CURTIS REFRIGERATION** 1864

AIR CONDITIONING AND COMMERCIAL

Curtis Refrigerating Machine Division  
of Curtis Manufacturing Company  
1912 Kienlen Ave. St. Louis, Mo.

MOST COMPLETE LINE... OVER 100 MODELS

Specify and Buy **FEDDERS UNIT COOLERS**

FEDDERS MFG. CO. BUFFALO, N.Y.

**MUELLER BRASS CO.**  
Port Huron, Mich.

**TRIPLE SEAL DIAPHRAGM VALVE**

Longer Diaphragm Life  
Positive Sealing at Three Essential Points

**DOLE**

VACUUM PLATE  
COOLING & FREEZING UNITS  
CHICAGO

HEAT TRANSFER EQUIPMENT

**MARLO COIL COMPANY**  
SAINT LOUIS, MISSOURI

**REPLACEMENT ICE MAKERS**

For Kelvinator—Westinghouse & G.E. All Copper—Replaces Old Steel—Porcelain Units. Priced Moderately.

**KRAMER-TRENTON CO.**  
TRENTON, N. J.

## Government Sets Up Allocation Program For 'Frozen' Household Refrigerators

(Concluded from Page 1, Column 3)

hands of retailers which are not affected by the order. These are units that were in the inventory of dealers prior to Feb. 14, 1942. It is emphasized by officials of the Branch that there are no restrictions on the sale of these units.

Officials also estimated that there are between 200,000 and 300,000 rebuilt mechanical refrigerators in existence which may be sold without any restrictions.

A further summary of the situation by officials of the Domestic Refrigerator Section includes an estimate that there are 20,000,000 mechanical refrigerators in use and that they will have to be kept in repair. It was announced by chiefs of the Section that steps are now being taken to assure essential repair parts for this market as far as it is possible to do so.

It was also announced that there were 200,000 ice refrigerators built in 1941 and that production would probably reach 500,000 units in the next 12 months.

It will be the policy of the Consumers Durable Goods Branch to parallel sales from the stockpile so that there will be no discrimination between makes of refrigerators. It is recognized, of course, that purchasers in a great number of instances will specify a particular make, but in some cases the consumer may be asked to restate his selection or accept another make.

The officials of the Branch announced that, in order to keep the industry informed of the rate and trend of distribution, a statement will be issued by WPB either monthly or bi-monthly showing the percentage each manufacturer has shipped in terms of frozen refrigerators.

The industry was asked to take note that all applications for the purchase of refrigerators must now be made on Form PD-427 and that PD-1A and PD1X no longer may be used for this purpose. The Branch particularly emphasizes that PD-1A no longer applies because applications via this form have averaged 350 a day.

Essential points of the order L-5-d as outlined by officials are:

1. The order was issued May 26 but does not become effective until June 15.

2. The Army, Navy, Maritime Commission, and the Panama Canal are the only agencies that may purchase refrigerators without filing an application or receiving a certificate of transfer.

3. Form PD-427 is used by the purchaser to make out his application for a refrigerator in triplicate. He retains one copy, signs the original and another copy, sending both to the office in Washington.

4. Form PD-428 is the Certificate of Transfer issued by the Bureau of Industry Operations. It gives the manufacturer, authority to transfer the refrigerator. The applicant will be mailed two copies of the certificate, one for his files, and the manufacturer two.

Officials said that an expiration date of from 30 to 40 days after the shipment date requested would probably be specified on the certificates of transfer.

Arrangements have been completed whereby manufacturers may sell their inventories of refrigerators to the Defense Supplies Corporation of RFC, thus enabling them to give their entire attention to war production.

War Contracts for the refrigerator industry now total \$500,000,000 it was pointed out by officials of the Consumers Durable Goods Branch. This sum is greater than the total of factory sales prices in the peak year of the industry, \$280,000,000.

Says the official WPB release issued in connection with the order: "The order issued May 26, L-5-d, becomes effective June 15, 1942. It supersedes the original freeze order, L-5-b, which was issued on Feb. 14, 1942. The new order sets up what is expected to be a permanent arrangement for the withdrawal from frozen stocks of refrigerators required for military and essential civilian needs.

"The order does not affect the right of retailers to sell all of the electric refrigerators they had in stock at the time of the issuance of the freeze order, including refrigerators which they had ordered and paid for prior to the issuance of the original order but which were not in their possession at the time the order was issued.

"However, only those gas or kerosene refrigerators which were fully

paid for by an ultimate consumer and were in the hands of the seller at the time of the original freeze order may be delivered after the effective date of the new order. Restrictions on gas and kerosene refrigerators in the hands of dealers are more severe than on electric refrigerators because the available supply is considerably less.

"Under today's order, new domestic mechanical refrigerators may be sold, shipped, or delivered, beginning June 15, 1942, only as follows:

"1. To fill contracts or purchase orders for the Army, Navy, Maritime Commission or the Panama Canal.

"2. Upon a Certificate of Transfer issued by the Director of Industry Operations of the WPB. Such certificates are expected to be issued only on approval of the National Housing Agency (for war housing), the United States Public Health Service, the Board of Economic Warfare (for export to Latin-American countries), Lend-Lease, and the Procurement Division of the Treasury.

"In addition, manufacturers may sell refrigerators to the Defense Supplies Corporation or to any other RFC agency.

"The order permits repossession of new refrigerators for default in payments, but refrigerators so obtained may not be resold except upon a certificate from the WPB or to fill an Army or Navy order.

"Refrigerators whose sale and delivery was permitted under the original freeze order as amended and which were in transit prior to the effective date of this order, June 15, may be delivered."

## Forms Sent Out To Inventory All 'Frozen' Stocks of Copper

WASHINGTON, D. C.—The Inventory and Requisitioning Branch of the War Production Board is sending out three sets of forms to holders of inactive and frozen inventories of copper and copper-base alloys as the initial step in the Copper Recovery Corp.'s plan to acquire 300,000 tons of the metal for munitions, WPB announced.

The corporation, which is controlled by Metals Reserve Co., also has announced the list of prices it will pay for the metals in a host of forms.

The forms being forwarded are: Form 843-A calls for a detailed report of inventories of primary copper and copper-base alloys that are still in the form received.

Form 843-B requires a report of inventories of unassembled, partly or wholly fabricated copper and copper-base alloy products that were made directly and entirely from a single primary product.

Form 843-C calls for inventory of all other copper and copper-base alloy materials.

When the completed reports and replies to the Government's offer to buy are received by WPB, they will be reviewed to determine the most efficient and economical disposition of the materials for immediate war use.

The following prices will be paid for the various items listed below:

- (1) Sheet, roll, and strip; price per pound:  
Copper hot or rolled; 19¢ to 30¢, according to width and thickness.  
Copper in rolls and strip; 17¢ to 30¢ according to width and thickness.  
Brass and bronze, except nickel silver and phosphor bronze; 18¢ to 28¢, according to width and thickness.  
Nickel silver; 21¢ to 28¢, according to width and thickness.  
Cupro nickel and phosphor bronze; 25¢ to 28¢, according to width and thickness.
- (2) Unfinished metal in coils for re-rolling purposes.  
Copper; 16¢.  
Brass; 16¢ to 17¢, according to width and thickness.  
Nickel silver; 21¢.  
Cupro nickel; 21¢.
- (3) Wrought anodes.  
Copper; 16¢.  
Brass and bronze; 17¢ to 18¢.
- (4) Drawn wire in coils.  
Copper; 15¢ to 28¢.  
Brass and bronze, except nickel.  
Silver cupro nickel, phosphor bronze; 18¢ to 28¢.  
Nickel silver, cupro nickel, phosphor bronze; 28¢.
- (5) Rods and bars.  
Copper, cold drawn, 17¢ to 28¢.  
Copper, hot rolled, unfinished round; 15¢; square and rectangular; 16¢.  
Brass and bronze, except nickel silver, cupro nickel, and phosphor bronze; 14¢ to 22¢.  
Nickel silver, cupro nickel, and phosphor bronze; 28¢.

- (6) Seamless Tubes (Other Than SPS Pipe, Water Tube):  
Copper; 21¢ to 30¢, according to O.D. and wall thickness.  
Brass and bronze, except nickel silver.  
Cupro nickel, phosphor bronze; 22¢ to 28¢, according to O.D. and wall thickness.  
Nickel silver, cupro nickel, phosphor bronze; 27¢.
- (7) Pipe SPS:  
Copper and brass; 17¢ to 28¢.
- (8) Copper Water Tubes:  
Under 3/4-inch; 24¢.  
Incl. 3/4-inch and larger; 18¢.
- (9) Drawn or Formed Angles, Channels, Mouldings:  
Copper; 27¢ to 28¢.  
Brass and bronze (except nickel silver); 27¢.
- (10) Extruded Shapes (All Sizes):  
Copper; 19¢.  
Brass and bronze, except nickel silver; 18¢.
- (11) Ingot and Refinery Shapes;  
O.P.A. Ceiling Prices:  
(12) Scrap; O.P.A. Ceiling Prices.

\*Government ready to purchase inventories if following prices are accepted:  
Copper products, 30¢ per pound.  
Copper base alloy products, 28¢ per pound.

## Munitions Board OK's Copper In Vital Parts

WASHINGTON, D. C.—The Army and Navy Munitions Board has revised its list of prohibited items for construction work to permit use of copper and steel in vital parts of air conditioning and refrigeration systems built for the armed forces.

Text of the order:

"2. Add to permitted uses of copper Item 16 on Page 2 as follows: Air conditioning and refrigeration systems including only the following items: capillary tubing, small moving parts, bellows, bearings which use not over two pounds of copper each, copper tube connections and fittings below 3/4 inch, and copper tubing and fins to the extent that steel tubes and fins are not commercially available.

"3. In the permitted uses of steel and iron add Item 59, air conditioning equipment made mandatory by manufacturing and processing procedures (only to the extent that other substitutes, other than ferrous and nonferrous metals, are not practicable)."

## CLASSIFIED ADVERTISING

RATES for "Positions Wanted," 5¢ per word; minimum charge, \$2.50. Three consecutive insertions, 12½¢ per word; minimum charge \$6.25.  
RATES for all other classifications, 10¢ per word, minimum charge, \$5.00 per insertion. Three consecutive insertions, 25¢ per word, minimum charge, \$12.50.

### POSITIONS WANTED

SIXTEEN years commercial refrigeration experience. Thoroughly familiar with all popular makes from fractional h.p. commercial to 40 h.p. Air Conditioning. Have supervised and trained men, engineered installations and service. Seek permanent connection with reliable organization with advancement. New York area. Citizen, married, three dependents. Box 1400, Air Conditioning & Refrigeration News.

### POSITIONS AVAILABLE

ENGINEER experimental and laboratory. Must have technical training and understand laboratory methods. Knowledge of air or refrigeration compressors and other refrigeration equipment desirable. Long established company with ample war work for the present and long range program for the future. Give complete information in first reply. Our Engineering Department has been notified of this advertisement. Box 1398, Air Conditioning & Refrigeration News.

WANTED: Refrigeration Engineer. Liquid cooling experience preferred. Capable handling government analysis and bid department. Permanent. Write experience, age, salary expected. Box 1399, Air Conditioning & Refrigeration News.

## THE BUYER'S GUIDE

## USE ONLY GENUINE GRUNOW PARTS

Write For Name Of Jobber Nearest You  
**Grunow Authorized Service, Inc.**  
4313 W. Fullerton Ave. Chicago, Ill.

**KEY to Our SERVICE**

**LARGE STOCKS**

Careful attention to your orders for **REFRIGERATION** and **Air Conditioning PARTS and Supplies**

**THE HARRY ALTER CO.**  
1728 S. MICHIGAN AVENUE, CHICAGO, ILLINOIS  
3 CHICAGO BRANCHES, NORTH, WEST, SOUTH

NEW YORK  
PHILADELPHIA  
BRONX  
JAMAICA

NEWARK  
DETROIT  
CLEVELAND  
ST. LOUIS

**STANGARD PRIME SURFACE Cold Plates**

FOR MAXIMUM EFFICIENT REFRIGERATION

★ FOR Locker Plants, Sharp Freezing, Ice Cream Cabinets, Hardening Rooms, Soda Fountains, Storage Rooms, Milk Coolers, Liquid Cooling, Food Counters and other similar uses.

Write us today for complete information and catalog

**STANGARD-DICKERSON CORP.**  
46-76 Oliver Street  
Newark, N. J.

Stangard facilities are contributing to the production of materials for our National Defense

Humi-Temp Forced Convection Units—Patented CROSS-FIN COILS—Bare Tube Coils—Zinc Plated Steel Plate Coils—Disintegrator Pans—Heat Exchangers—Evaporative Condensers—Instantaneous Water Coolers—

See Your Jobber or Write Direct  
**LARKIN COILS, INC.**  
519 MEMORIAL DR., S. E., ATLANTA, GA.

**REFRIGERATION PRODUCTS**

The Watchdog of the Nation's Food Supply



# ARE YOU READY FOR THE COMING BOOM IN SERVICE?

These Books Will Help You Prepare NOW

COMPLETE—AUTHENTIC—READABLE INFORMATION  
COVERING INSTALLATION, OPERATION AND MAINTENANCE

of

Domestic Commercial and Industrial Units  
Air Conditioning Systems — Locker Storage Plants  
Counter Freezers — Soda Fountains

**HANDY SIZE • LOW COST**

See Your Jobber or Write for FREE Catalog Today

**THE REFRIGERATION LIBRARY**

Business News Publishing Co., 5229 Cass Ave., Detroit



**Air Conditioning & REFRIGERATION NEWS**

5229 Cass Ave. Detroit, Mich.  
Copyright, 1942, by Business News Publishing Co.  
Trade Mark Registered U. S. Patent Office

*News Bulletin*

Detroit Public Library,  
Woodward & Kirby Aves.,  
N. E. Sta.,  
Detroit, Mich.

1305-1Y  
12-31-42

Reentered as second-class matter  
October 3, 1936 at the post  
office at Detroit, Michigan under  
the Act of March 3, 1879.